

[Document Name] Drawings

Fig. 1

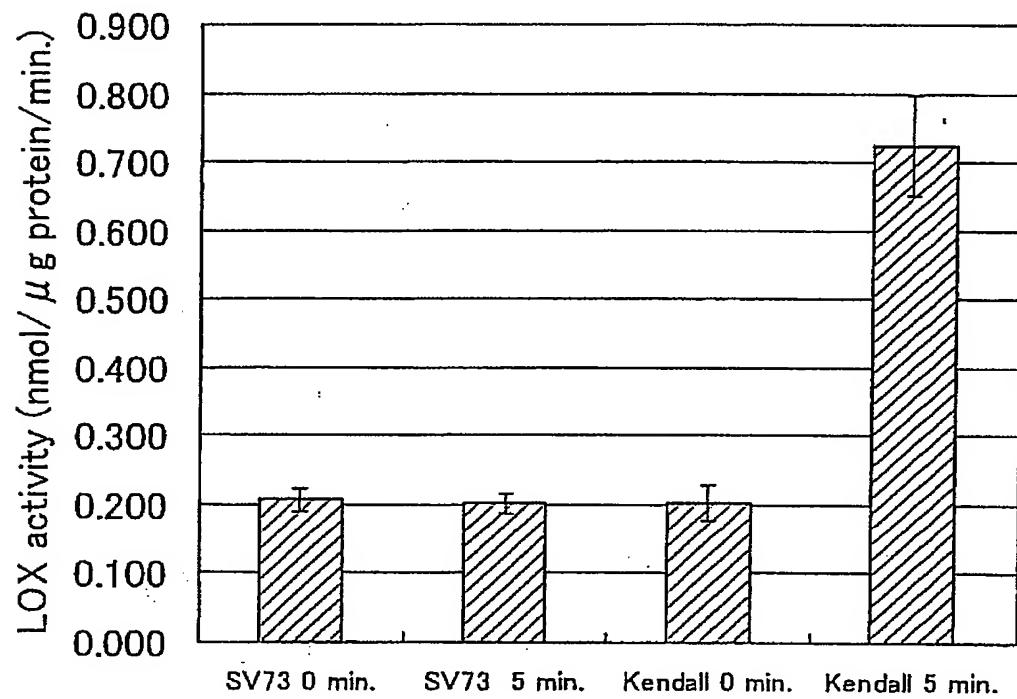


Fig. 2

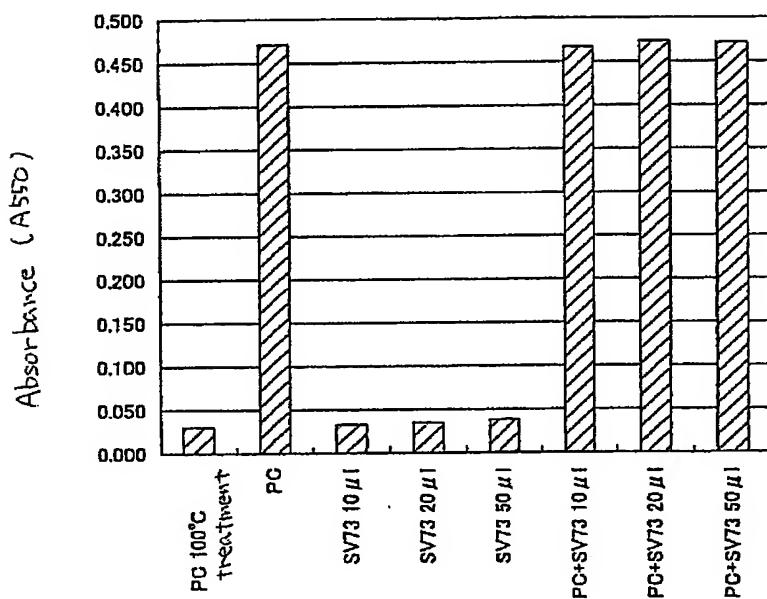


Fig. 3

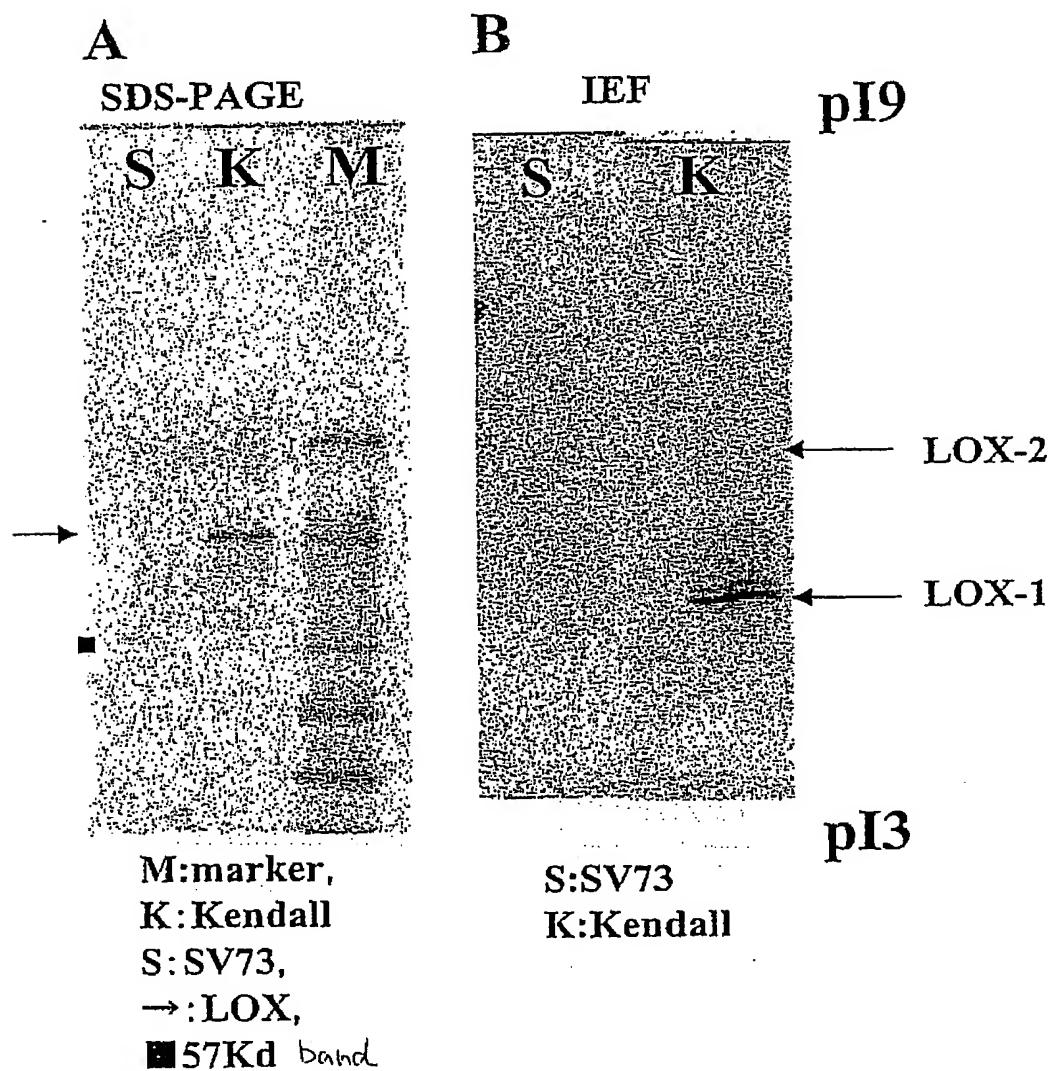


Fig. 4

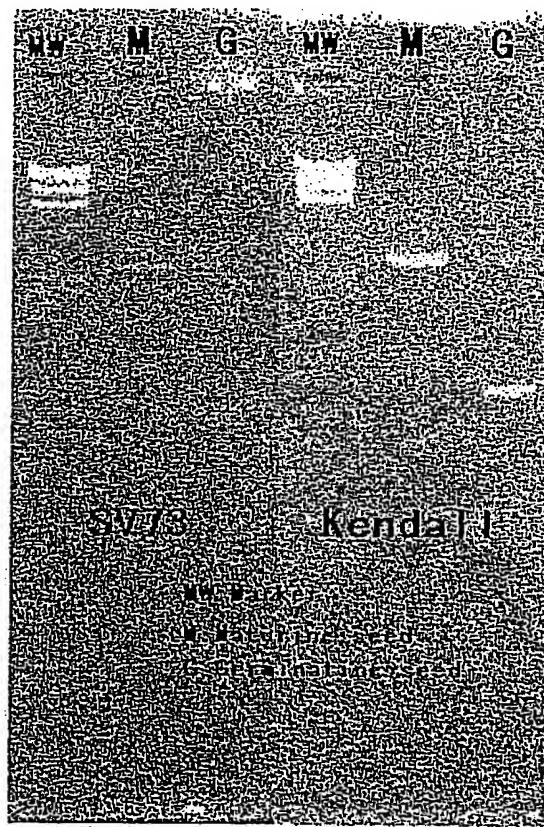
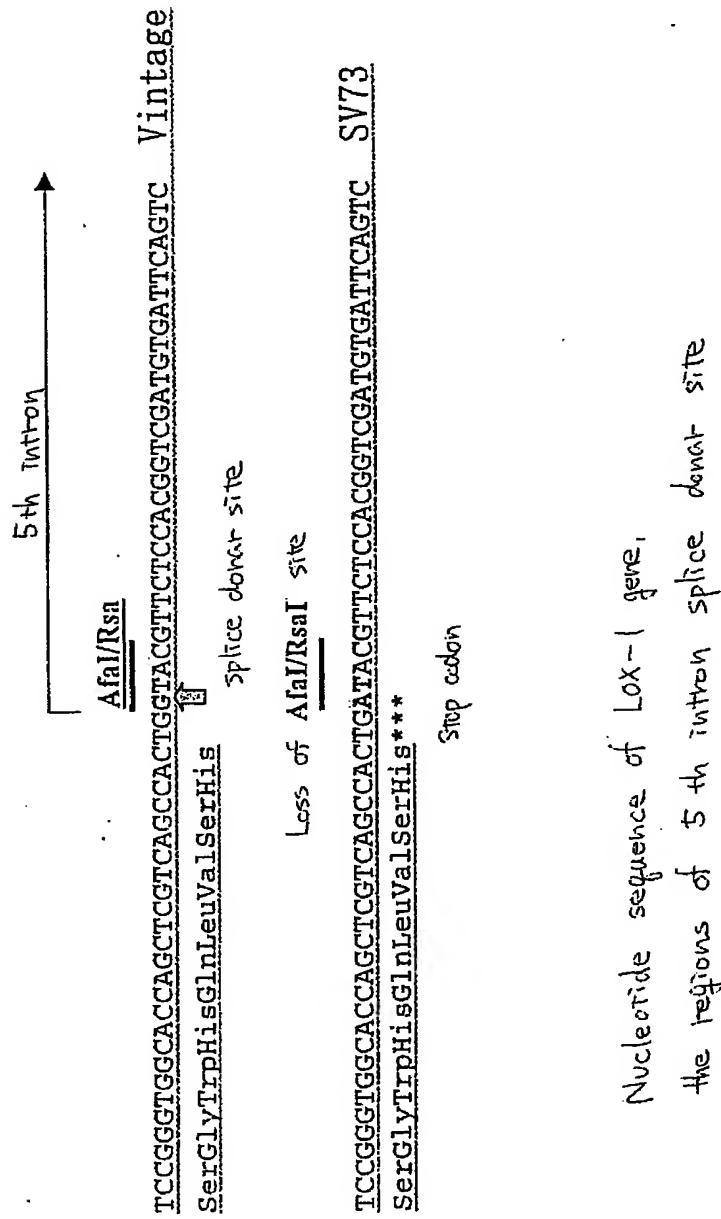


Fig. 5



Nucleotide sequence of Lox-1 gene,
the regions of 5th intron splice donor site

Fig. 6

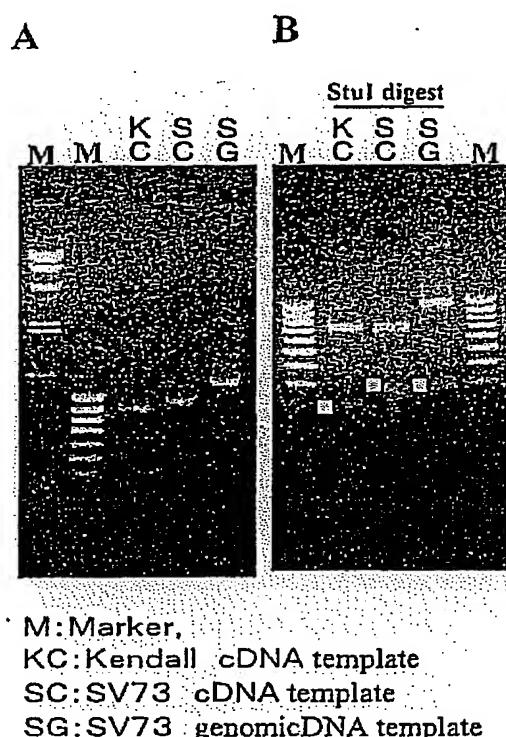
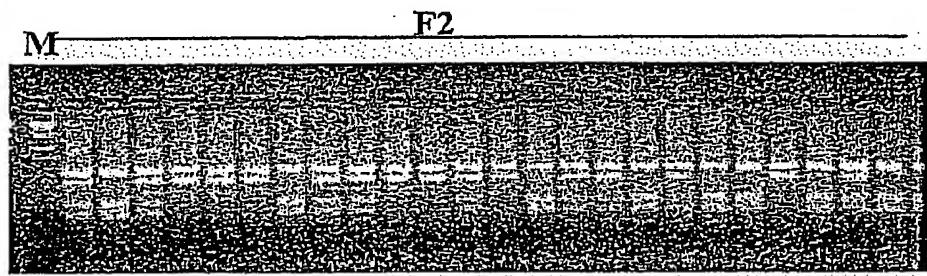


Fig. 7



M:Marker

F2:Kendall x SV73 F2 DNA AfaI method analysis

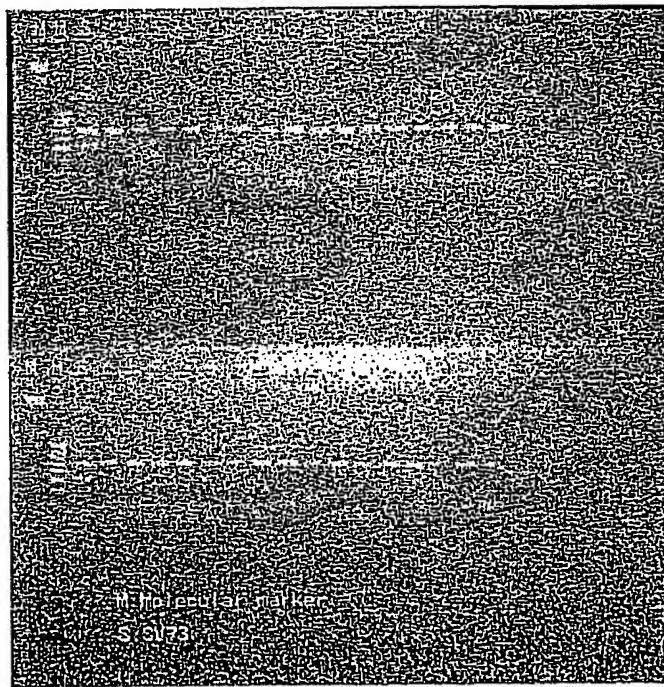
Fig. 8

F2	No.	LOX	Afsl CAPS	JBC970 Southern	F2	No.	LOX	Afsl CAPS	JBC970 Southern
1	+	BB	KB		73	+	KB	KB	
2	+	KK	KK		74	+	KB	KB	
3	+	KB	KB		75	+	KK	KK	
4	-	BB	KB		76	+	KB	KB	
5	-	BB	BB		77	+	KK	KK	
6	-	BB	BB		78	-	BB	BB	
7	+	KK	KK		79	+	KB	KB	
8	+	KB	KB		80	-	BB	BB	
9	+	KB	KB		81	-	BB	BB	
10	-	BB	BB		82	+	KB	KB	
11	-	BB	KB		83	+	KK	KK	
12	+	KB	KB		84	+	KK	KK	
13	-	BB	BB		85	-	BB	BB	
14	+	KK	KK		86	-	BB	BB	
15	+	KB	KB		87	-	BB	BB	
16	+	KB	KB		88	+	KB	KB	
17	+	KK	KK		89	-	BB	BB	
18	+	KB	KB		90	-	BB	BB	
19	+	KK	KK		91	+	KK	KK	
20	+	KK	KK		92	+	KB	KB	
21	-	BB	KB		93	+	KB	KB	
22	+	KK	KK		94	+	KK	KK	
23	+	KB	KB		95	+	KB	KB	
24	+	KK	KK		96	+	KB	KB	
25	+	KB	KB		97	+	KK	KK	
26	+	KB	KB		98	+	KB	KB	
27	+	KK	KK		99	+	KB	KB	
28	+	KK	KK		100	+	KB	KB	
29	+	KK	KK		101	-	BB	BB	
30	+	KB	KB		102	+	KB	KK	
31	+	KB	KB		103	+	KB	KB	
32	-	BB	KB		104	+	KB	KB	
33	+	KB	KB		105	+	KB	KB	
34	+	KB	KB		106	+	KK	KK	
35	+	KK	KB		107	+	KK	KK	
36	+	KB	KB		108	+	KK	KK	
37	+	KB	KB		109	+	KB	KB	
38	+	KK	KK		110	-	BB	BB	
39	+	KB	-		111	-	BB	BB	
40	+	KB	-		112	+	KB	KB	
41	-	BB	BB		113	+	KB	KB	
42	+	KB	KB		114	+	KB	KB	
43	+	KK	KK		115	-	BB	BB	
44	+	KB	KB		116	+	KB	KB	
45	-	BB	BB		117	-	BB	BB	
46	+	KK	KK		118	+	KK	KK	
47	-	BB	BB		119	+	KB	KB	
48	+	KK	KB		120	+	KK	KK	
49	+	KB	KB		121	+	KB	KB	
50	-	BB	BB		122	+	KB	KB	
51	+	KB	KB		123	+	KK	KK	
52	+	KB	KB		124	+	KB	KB	
53	+	KK	KK		125	-	BB	BB	
54	-	BB	BB		126	+	KK	KK	
55	+	KK	KK		127	+	KB	KB	
56	-	BB	BB		128	+	KB	BB	
57	+	KB	KB		129	+	KB	KB	
58	+	KB	KB		130	+	KB	KB	
59	-	BB	BB		131	+	KK	KB	
60	-	BB	BB		132	+	KK	KK	
61	+	KK	KK		133	-	BB	BB	
62	+	KK	KK		134	-	BB	BB	
63	+	KK	KK		135	+	KK	KK	
64	+	KB	KB		136	+	KB	KB	
65	+	KB	KB		137	+	KB	KK	
66	+	KK	KK		138	+	KB	KB	
67	+	KB	KB		139	-	BB	BB	
68	+	KK	KK		140	+	KK	KK	
69	+	KB	KB		141	+	KB	KB	
70	-	BB	BB		142	+	KB	BB	
71	+	KB	KB		143	+	KK	KK	
72	-	BB	BB		144	+	KB	KB	

整理番号 = 510-1378

提出日 平成15年 3月25日
特願2003-083924 頁： 9/ 13

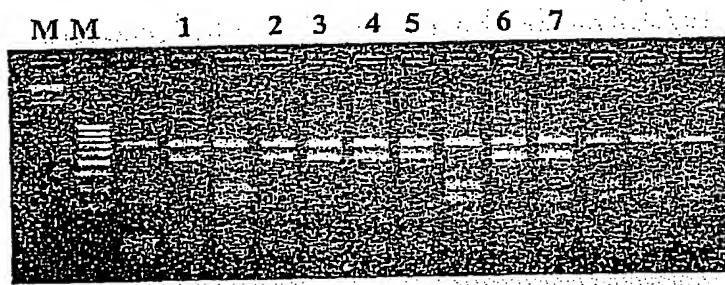
Fig. 9



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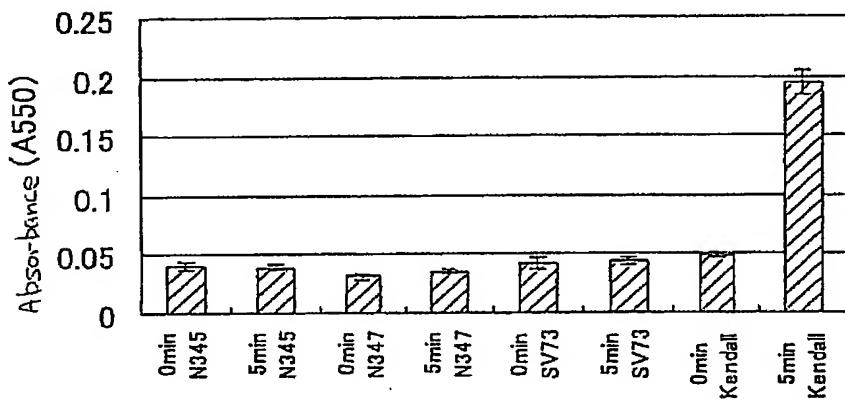
Fig. 10



M:Marker,
1 and 5:SV73、2:OUN345、3:OUN347
4:OUI001、6:OUJ095、7:OUJ695

Fig. 11

A



B

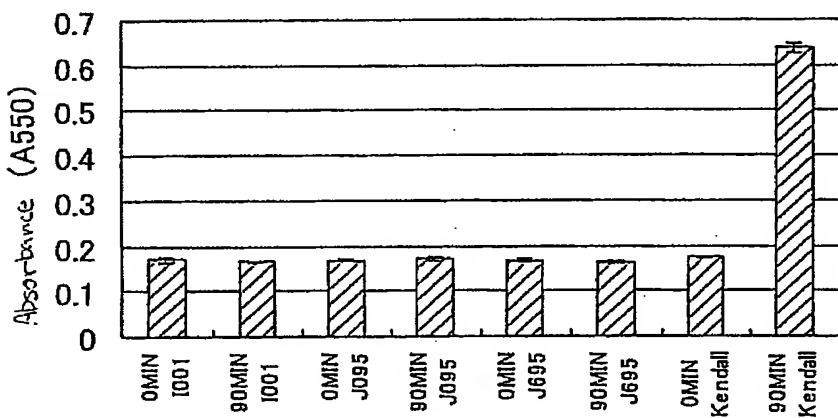


Fig. 12

Variety	LOX+F4	LOX-F4
Barley moisture content (%)	10.9	11
Barley weight (g)	3000	3000
Steeping (%)	44.8	44.5
Steeping time (h)	82	82
Malt yield weight (g)	2571.6	2572.2
Malt yield percent (%ad)	85.7	85.7
Malt yield percent (%db)	90.3	90.7
Moisture content (%)	6.1	5.8
Mashing time (min)	9-15	9-15
Lautering speed (min)	8	17
Transparency	2	2
Color (EBC)	2.1	2.2
Boiling color (EBC)	3.2	3.3
Air-dried extract (%)	67	69.3
Anhydrous extract (%)	71.4	73.5
TN (%)	2.49	2.291
SN (%)	0.648	0.645
Crude protein (%)	15.6	14.3
KZ	26	28.1
EVG (%)	78.8	79
DP (°WK)	348	377
DP (WK/TN)	140	165
Viscosity (mPa·s)	1.87	1.89
β-glucan (mg/l)	427	392
pH	5.97	6
Extract yield (%)	64.5	66.7

Fig.-13

